ARG22769
anti-MHC Class II RT1Bu + L antibody [OX-3] (PE)

Package: 50 tests
Store at: 4°C

Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [OX-3] recognizes MHC Class II RT1Bu + L This antibody recognizes a polymorphic determinant of the Rat RT1B MHC class II antigen, reacting with haplotypes u and l. The literature reports reactivity with Lewis, Wistar and AO strain rats but not BN, DA or PVG/c strains. This antibody is useful for distinguishing RT1B positive cells from different Rat strains, e. G. for recognising cells of donor origin in bone marrow reconstituted radiation chimaeras. The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In rats, this complex is referred to as the RT1 region. In mice, this complex is referred to as the H-2 region. Mouse anti Rat MHC Class II RT1Bu/L antibody, clone OX-3 also cross reacts with mouse strains of the H-2 haplotypes b and s. Analysis of recombinant mouse strains has mapped the OX-3 determinant to the H-2I-A region. This product is routinely tested in flow cytometry on Lewis Rat splenocytes.
Tested Reactivity	Ms, Rat
Tested Application	FACS
Host	Mouse
Clonality	Monoclonal
Clone	OX-3
Isotype	IgG1
Target Name	MHC Class II RT1Bu + L
Species	Rat
Immunogen	Rat thymocyte membrane glycoproteins.
Conjugation	PE

Application Instructions

Application table

Application	Dilution
FACS	Neat

Application Note: FACS: Use 10 µl of the suggested working dilution to label 10^6 cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification by Ion Exchange chromatography
Buffer	PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose.
Preservative	0.09% Sodium azide
Stabilizer	1% BSA and 5% Sucrose

Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.